Application No. 10/583182
Response to the Office Action dated December 2, 2008

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

19/03/2009 16:41

- 1. (Currently Amended) A dyeable acrylic shrinkable fiber produced from a spinning solution comprising a polymer composition in which 50 to 99 parts by weight of a polymer (A) comprising 40 to 80 wt % of acrylonitrile, 20 to 60 wt % of a halogen-containing monomer and 0 to 5 wt % of a sulfonic acid-containing monomer is mixed with 1 to 50 parts by weight of a polymer (B) comprising 5 to 70 wt % of acrylonitrile, 20 to 94 wt % of other copolymerizable monomer and [[1]]10 to 40 wt % of a sulfonic acid-containing monomer, wherein the polymer (A) and the polymer (B) are incompatible with each other.
- 2. (Original) The acrylic shrinkable fiber according to claim 1, wherein the total content of the sulfonic acid group-containing monomers in the polymers (A) and (B) is 0.1 to 10 parts by weight based on the total monomer content in the polymers (A) and (B).
- 3. (Original) The acrylic shrinkable fiber according to claim 1 or 2, wherein the other copolymerizable monomer in the polymer (B) is an acrylic acid ester.
- 4. (Previously Presented) The acrylic shrinkable fiber according to claims 1 or 2, wherein the spinning solution is phase separated into particles having a particle size of 0.1 to 30 μ m.
- 5. (Currently Amended) The acrylic shrinkable fiber according to claims 1 or 2, having a dyeing shrinkage percentage at 80°C or less lower of 10% or less.

Application No. 10/583182
Response to the Office Action dated December 2, 2008

- 6. (Currently Amended) The acrylic shrinkable fiber according to claims 1 or 2, having a shrinkage percentage of 20% or more when dyed at 80°C or less lower and then treated with dry heat at 130°C for five minutes.
- 7. (Currently Amended) The acrylic shrinkable fiber according to claims 1 or 2, having a relative saturation value when dyed at 60°C or more higher of 0.1 or more and a relative saturation value at 70°C or more higher of 0.8 or more.
- 8. (Currently Amended) A process for producing the acrylic shrinkable fiber according to claims 1 or 2, comprising carrying out relaxation treatment of a drawn yarn of the Polymer (A) and Polymer (B) at 1 to 20% after drawing and before dyeing.
- 9. (Previously Presented) The acrylic shrinkable fiber according to claim 3, wherein the spinning solution is phase separated into particles having a particle size of 0.1 to 30 μm .
- 10. (Currently Amended) The acrylic shrinkable fiber according to claim 3, having a dyeing shrinkage percentage at 80°C or less-lower of 10% or less.
- 11. (Currently Amended) The acrylic shrinkable fiber according to claim 4, having a dyeing shrinkage percentage at 80°C or less-lower of 10% or less.
- 12. (Currently Amended) The acrylic shrinkable fiber according to claim 3, having a shrinkage percentage of 20% or more when dyed at 80°C or less-lower and then treated with dry heat at 130°C for five minutes.
- 13. (Currently Amended) The acrylic shrinkable fiber according to claim 4, having a shrinkage percentage of 20% or more when dyed at 80°C or less-lower and then treated with dry heat at 130°C for five minutes.
- 14. (Currently Amended) The acrylic shrinkable fiber according to claim 5, having a

Application No. 10/583182 Response to the Office Action dated December 2, 2008

19/03/2009 16:41

shrinkage percentage of 20% or more when dyed at 80°C or less lower and then treated with dry heat at 130°C for five minutes.

- 15. (Currently Amended) The acrylic shrinkable fiber according to claim 3, having a relative saturation value when dyed at 60°C or more higher of 0.1 or more and a relative saturation value at 70°C or more higher of 0.8 or more.
- 16. (Currently Amended) The acrylic shrinkable fiber according to claim 4, having a relative saturation value when dyed at 60°C or more higher of 0.1 or more and a relative saturation value at 70°C or more higher of 0.8 or more.
- 17. (Currently Amended) The acrylic shrinkable fiber according to claim 5, having a relative saturation value when dyed at 60°C or more higher of 0.1 or more and a relative saturation value at 70°C or more higher of 0.8 or more.
- 18. (Currently Amended) The acrylic shrinkable fiber according to claim 6, having a relative saturation value when dyed at 60°C or more higher of 0.1 or more and a relative saturation value at 70°C or more higher of 0.8 or more.
- 19. (New) The acrylic shrinkable fiber according to claim 1, wherein a content of the sulfonic acid-containing monomer in the polymer (B) is 15 to 40 wt %.